

ASSIGNMENT SET - II
Department of Nutrition

Mugberia Gangadhar Mahavidyalaya



Subject- Food Processing
Semester-IV

Paper Code: BVFPS404

[Food Plant Utilities and Services]

Answer all the questions

Unit-1

1. What do you mean commercial energy pricing? 2
2. Write a short note on classification of various utilities and services in food industry. 5

Unit-2

1. What is the difference between voltage and electricity. 3
2. Define power factor improvement. 3
3. Write short note on electrical transformer. 5
4. Write a short note on trouble shooting of electrical power system. 4
5. What do you mean system distribution losses? 2

Unit -3

1. Define types of electrical motors. 3
2. Write a short note on factors effecting motor performances. 5
3. What types of issues can observe during motor replacement? 4

Unit-4

1. What do you mean leakage test? 3
2. What do you mean capacity assessment? 2
3. Write a short note on factors effecting the performance and efficiency of compressed air system. 5

Unit -5

1. Write short note on vapor compression refrigeration cycle. 3
2. Briefly describe factors effecting refrigeration. 5
3. Write a short note on working principle of vapour absorption refrigeration system. 5
4. What do you mean vapour absorption refrigeration system? 2
5. Define VCR system. 2

Unit- 6

1. Write a short note on performance evaluation. 4
2. What do you mean efficient system operation? 2
3. Write a short on flow control strategies of fan and blowers. 4

Unit-7

1. Write a short note on performance evaluation. 4
2. What do you mean efficient system operation? 2
3. Define energy conservation opportunities. 3

Unit-8

1. What are the function of DG system? 3
2. Write a short note on factors effecting selection of DG system. 5

Unit-9

1. Briefly describe the classification of fuels. 10
2. What are the difference between solid fuel and liquid fuel? 4
3. Define artificially prepared coal. 2

Unit-10

1. Briefly describe types of boiler. 5
2. What do you mean water tube boiler and fire tube boiler? 3
3. Write a short note on feed water treatment. 3
4. What do you mean energy conservation? 2

Unit-11

1. What do you mean distribution losses? 2
2. Write short note on Steam trapping and steam leakage. 5
3. Define flash steam recovery system. 3

Unit-12

1. What are the advantages and application waste heat recovery? 4
2. Write a short note on commercially viable waste heat recovery. 5
3. Define saving potential. 2

Unit-13

1. What are the importance of drainage system? 4
2. Write a short note on fire protection and maintenance system. 5
3. What do you mean dust removal? 2
4. Define fire extinguisher. 2
5. What do you mean waste water? 2